

(g) FUNDING.—Subject to project approval by the Secretary, a State may obligate funds apportioned after September 30, 1991, under subsections (b)(1), (b)(2), and (b)(3) of section 104 of this title for developing and establishing management systems required by this section and funds apportioned under section 144 of this title for developing and establishing the bridge management system required by this section.

(h) REVIEW OF REGULATIONS.—Not later than 10 days after the date of issuance of any regulation under this section, the Secretary shall transmit a copy of such regulation to Congress for review.

(Added Pub. L. 102-240, title I, §1034(a), Dec. 18, 1991, 105 Stat. 1977; amended Pub. L. 103-429, §3(8), (9), Oct. 31, 1994, 108 Stat. 4378; Pub. L. 104-59, title II, §205(a), Nov. 28, 1995, 109 Stat. 576.)

REFERENCES IN TEXT

The date of the enactment of this section, referred to in subsecs. (a) and (b), is the date of enactment of Pub. L. 102-240, which was approved Dec. 18, 1991.

PRIOR PROVISIONS

A prior section 303, Pub. L. 85-767, Aug. 27, 1958, 72 Stat. 912; Pub. L. 87-392, §1, Oct. 4, 1961, 75 Stat. 822; Pub. L. 88-426, title III, §305(24), Aug. 14, 1964, 78 Stat. 425; Pub. L. 91-605, title I, §114(a), Dec. 31, 1970, 84 Stat. 1722; Pub. L. 93-87, title I, §152(4), Aug. 13, 1973, 87 Stat. 276, provided for administrative organization of the Federal Highway Administration, prior to repeal by Pub. L. 97-449, §7(b), Jan. 12, 1983, 96 Stat. 2445. See section 104 of Title 49, Transportation.

AMENDMENTS

1995—Subsec. (c). Pub. L. 104-59, §205(a)(1), added subsec. (c) and struck out former subsec. (c) which read as follows:

“(c) STATE REQUIREMENTS.—The Secretary may withhold up to 10 percent of the funds apportioned under this title and under chapter 53 of title 49 for any fiscal year beginning after September 30, 1995, to any State and any recipient of assistance under such Act in the State unless, in the preceding fiscal year, the State was implementing each of the management systems described in subsection (a) and, before January 1 of the preceding fiscal year, the State certified, in writing, to the Secretary, that the State was implementing each of such management systems in the preceding fiscal year.”

Subsec. (f). Pub. L. 104-59, §205(a)(2), inserted subsec. heading, designated existing provisions as par. (1), inserted par. heading and realigned margins, and added par. (2).

1994—Subsec. (c). Pub. L. 103-429, §3(8), substituted “chapter 53 of title 49” for “the Federal Transit Act”.

Subsec. (d). Pub. L. 103-429, §3(9), substituted “chapter 53 of title 49” for “the Federal Transit Act” and “chapter 53” for “such Act”.

EFFECTIVE DATE

Section effective Dec. 18, 1991, and applicable to funds authorized to be appropriated or made available after Sept. 30, 1991, and, with certain exceptions, not applicable to funds appropriated or made available on or before Sept. 30, 1991, see section 1100 of Pub. L. 102-240, set out as an Effective Date of 1991 Amendment note under section 104 of this title.

SECTION REFERRED TO IN OTHER SECTIONS

This section is referred to in sections 103, 106, 133, 134, 135, 307 of this title; title 49 section 5303.

§ 304. Participation by small business enterprises

It is declared to be in the national interest to encourage and develop the actual and potential

capacity of small business and to utilize this important segment of our economy to the fullest practicable extent in construction of the Federal-aid highway systems, including the Interstate System. In order to carry out that intent and encourage full and free competition, the Secretary should assist, insofar as feasible, small business enterprises in obtaining contracts in connection with the prosecution of the highway program.

(Pub. L. 85-767, Aug. 27, 1958, 72 Stat. 913.)

§ 305. Archeological and paleontological salvage

Funds authorized to be appropriated to carry out this title to the extent approved as necessary by the highway department of any State, may be used for archeological and paleontological salvage in that State in compliance with the Act entitled “An Act for the preservation of American antiquities”, approved June 8, 1906 (34 Stat. 225), and State laws where applicable,

(Pub. L. 85-767, Aug. 27, 1958, 72 Stat. 913; Pub. L. 86-657, §8(e), July 14, 1960, 74 Stat. 525.)

REFERENCES IN TEXT

An Act for the preservation of American antiquities, referred to in text, is act June 8, 1906, ch. 3060, 34 Stat. 225, popularly known as the Antiquities Act of 1906, which is classified generally to sections 431, 432, and 433 of Title 16, Conservation. For complete classification of this Act to the Code, see Short Title note set out under section 431 of Title 16 and Tables.

AMENDMENTS

1960—Pub. L. 86-657 substituted “appropriated to carry out this title to the extent approved” for “appropriated under the Federal-Aid Highway Act of 1956, to the extent approved”.

§ 306. Mapping

(a) IN GENERAL.—In carrying out the provisions of this title, the Secretary may, wherever practicable, authorize the use of photogrammetric methods in mapping, and the utilization of commercial enterprise for such services.

(b) GUIDANCE.—The Secretary shall issue guidance to encourage States to utilize, to the maximum extent practicable, private sector sources for surveying and mapping services for projects under this title. In carrying out this subsection, the Secretary shall recommend appropriate roles for State and private mapping and surveying activities, including—

- (1) preparation of standards and specifications;
- (2) research in surveying and mapping instrumentation and procedures and technology transfer to the private sector;
- (3) providing technical guidance, coordination, and administration of State surveying and mapping activities; and
- (4) recommending methods for increasing the use by the States of private sector sources for surveying and mapping activities.

(Pub. L. 85-767, Aug. 27, 1958, 72 Stat. 913; Pub. L. 104-59, title III, §321, Nov. 28, 1995, 109 Stat. 590.)

AMENDMENTS

1995—Pub. L. 104-59 designated existing provisions as subsec. (a), inserted heading, and added subsec. (b).

§ 307. Research and planning**(a) RESEARCH AND TECHNOLOGY PROGRAM.—****(1) AUTHORITY OF THE SECRETARY.—**

(A) IN GENERAL.—The Secretary may engage in research, development, and technology transfer activities with respect to motor carrier transportation and all phases of highway planning and development (including construction, operation, modernization, development, design, maintenance, safety, financing, and traffic conditions) and the effect thereon of State laws and may test, develop, or assist in testing and developing any material, invention, patented article, or process.

(B) COOPERATION, GRANTS, AND CONTRACTS.—The Secretary may carry out this section either independently or in cooperation with other Federal departments, agencies, and instrumentalities or by making grants to, and entering into contracts and cooperative agreements with, the National Academy of Sciences, the American Association of State Highway and Transportation Officials, or any State agency, authority, association, institution, corporation (profit or nonprofit), organization, or person.

(C) RESEARCH FELLOWSHIPS.—

(i) GENERAL AUTHORITY.—The Secretary may, acting either independently or in cooperation with other Federal departments, agencies, and instrumentalities, make grants for research fellowships for any purpose for which research is authorized by this section.

(ii) DWIGHT DAVID EISENHOWER TRANSPORTATION FELLOWSHIP PROGRAM.—The Secretary shall establish and implement a transportation research fellowship program for the purpose of attracting qualified students to the field of transportation engineering and research. Such program shall be known as the “Dwight David Eisenhower Transportation Fellowship Program”. Of the funds made available pursuant to paragraph (3) for each fiscal year beginning after September 30, 1991, the Secretary shall expend not less than \$2,000,000 per fiscal year to carry out such program.

(2) COLLABORATIVE RESEARCH AND DEVELOPMENT.—

(A) IN GENERAL.—For the purposes of encouraging innovative solutions to highway problems and stimulating the marketing of new technology by private industry, the Secretary is authorized to undertake, on a cost-shared basis, collaborative research and development with non-Federal entities, including State and local governments, foreign governments, colleges and universities, corporations, institutions, partnerships, sole proprietorships, and trade associations which are incorporated or established under the laws of any State.

(B) AGREEMENTS.—In carrying out this paragraph, the Secretary may enter into cooperative research and development agreements, as such term is defined under section 12 of the Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. 3710a).

(C) FEDERAL SHARE.—The Federal share payable on account of activities carried out under a cooperative research and development agreement entered into under this paragraph shall not exceed 50 percent of the total cost of such activities; except that, if there is substantial public interest or benefit, the Secretary may approve a higher Federal share. All costs directly incurred by the non-Federal partners, including personnel, travel, and hardware development costs, shall be treated as part of the non-Federal share of the cost of such activities for purposes of the preceding sentence.

(D) UTILIZATION OF TECHNOLOGY.—The research, development, or utilization of any technology pursuant to a cooperative research and development agreement entered into under this paragraph, including the terms under which the technology may be licensed and the resulting royalties may be distributed, shall be subject to the Stevenson-Wydler Technology Innovation Act of 1980.

(3) FUNDS.—

(A) IN GENERAL.—The funds necessary to carry out this subsection and subsections (b), (d), and (e) shall be taken by the Secretary out of administrative funds deducted pursuant to section 104(a) of this title and such funds as may be deposited by any cooperating organization or person in a special account of the Treasury of the United States established for such purposes.

(B) MINIMUM EXPENDITURES ON LONG-TERM RESEARCH PROJECTS.—Not less than 15 percent of the funds made available under this paragraph shall be expended on long-term research projects which are unlikely to be completed within 10 years.

(4) WAIVER OF ADVERTISING REQUIREMENTS.—The provisions of section 3709 of the Revised Statutes (41 U.S.C. 5) shall not be applicable to contracts or agreements entered into under this section.

(b) MANDATORY CONTENTS OF RESEARCH PROGRAM.—

(1) INCLUSION OF CERTAIN STUDIES.—The Secretary shall include in the highway research program under subsection (a) studies of economic highway geometrics, structures, and desirable weight and size standards for vehicles using the public highways and of the feasibility of uniformity in State regulations with respect to such standards. The highway research program shall also include studies to identify and measure, quantitatively and qualitatively, those factors which relate to economic, social, environmental, and other impacts of highway projects.

(2) SHRP RESULTS.—

(A) IMPLEMENTATION.—The highway research program under subsection (a) shall include a program to implement results of the strategic highway research program carried out under subsection (d) (including results relating to automatic intrusion alarms for street and highway construction work zones) and to continue the long-term pavement performance tests being carried out under such program.